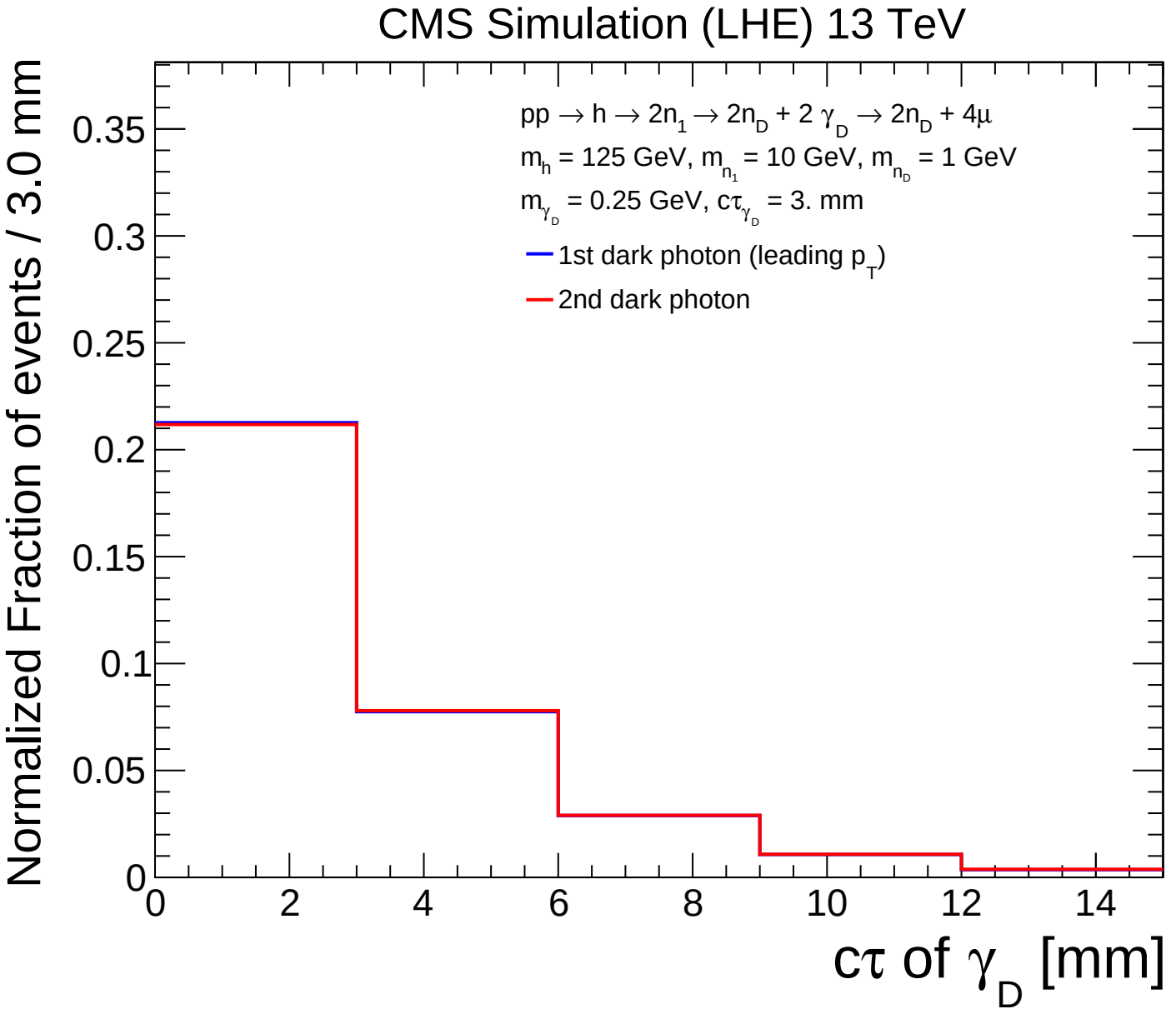
CMS Simulation (LHE) 13 TeV
pp → h → 2n1 → 2nD + 2 γD → 2nD + 4μ
mh = 125 GeV, mn1 = 10 GeV, mnD = 1 GeV
mγD = 0.25 GeV, cτγD = 3. mm
1st dark photon (leading pT)
2nd dark photon
Normalized Fraction of events / 3.0 mm
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
0
2
4
6
8
10
12
14
cτ of γD [mm]